



Owner's Manual



Mega Motion, Inc.
P.O. Box 275
Taylor, PA 18517-0275

www.mega-motion.com

SAFETY GUIDELINES

The symbols below are used throughout this owner's manual and on the scooter to identify warnings and important information. It is very important for you to read them and understand them completely.



WARNING! Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border.



MANDATORY! These actions should be performed as specified. Failure to perform mandatory actions can cause personal injury and/or equipment damage. On the product, this icon is represented as a white symbol on a blue dot.



PROHIBITED! These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the product, this icon is represented as a black symbol with a red circle and a red slash.

Please fill out the following information for quick reference:

Mega Motion Service Center: _____

Address: _____

Phone Number: _____

Purchase Date: _____ Serial Number: _____

NOTE: This owner's manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased.



DO NOT RETURN THIS PRODUCT TO THE STORE. CALL 1-800-MEGA-508 FIRST.



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I. INTRODUCTION

SAFETY

Welcome to Mega Motion Inc. The product you have purchased combines state of the art components with **safety**, comfort, and styling in mind. We are confident the design features will provide you with the conveniences you expect during your daily activities. Understanding how to **safely** operate and care for this product should bring you years of trouble free operations and service.

Read and follow all instructions, warnings and notes in this manual and all other accompanying literature before attempting to operate this product for the first time. In addition, your **safety** depends upon you, as well as your provider, caregiver, or healthcare professional in using good judgement.

If there is any information in this manual which you do not understand, or if you require additional assistance for setup or operation, please contact 1-800-MEGA-508. **Failure to follow the instructions, warnings, and notes in this manual and those located on your Mega Motion product can result in personal injury or product damage and will void Mega Motion's product warranty.**

PURCHASER'S AGREEMENT

By accepting delivery of this product, you promise that you will not change, alter, or modify this product or remove or render inoperable or unsafe any guards, shields, or other safety features of this product; fail, refuse, or neglect to install any retrofit kits from time to time provided by Mega Motion to enhance or preserve the safe use of this product.

SHIPPING AND DELIVERY

Before using your scooter, make sure your delivery is complete as some components may be individually packaged. If you do not receive a complete delivery, please contact Mega Motion immediately. Where damage has occurred during transport, either to the packaging or content, please contact the delivery company responsible.

INFORMATION EXCHANGE

We want to hear your questions, comments, and suggestions about this manual. We would also like to hear about the safety and reliability of your new Travel Scooter, and about the service you received from Mega Motion. Please notify us of any change of address, so we can keep you apprised of important information about safety, new products, and new options that can increase your ability to use and enjoy your Travel Scooter. Please feel free to contact us at the address below:

Mega Motion Inc.
P.O. Box 275
Taylor, PA 18517-0275

1-800-MEGA-508

NOTE: If you ever lose or misplace your product registration card or your copy of this manual, contact us and we will be glad to send you a new one immediately.

II. SAFETY

PRODUCT SAFETY SYMBOLS

The symbols below are used on the Travel Scooter to identify warnings, mandatory actions, and prohibited actions. It is very important for you to read and understand them completely.



Read and follow the information in the owner's manual.



Maximum weight capacity.



Corrosive chemicals contained in battery.



Use only AGM or Gel-Cell batteries.



EMI-RFI- This product has been tested and passed at an immunity level of 20 V/m.



Pinch/Crush points created during assembly.



Unlocked and in freewheel mode.

Place unit on level ground and stand to one side when changing from drive mode to freewheel mode or freewheel mode to drive mode.

Locked and in drive mode.

II. SAFETY



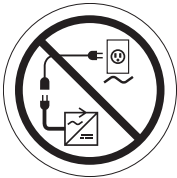
Do not remove anti-tip wheels.



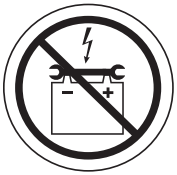
Avoid exposure to rain, snow, ice, salt, or standing water whenever possible. Maintain and store in a clean and dry condition.



Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.



Do not connect an extension cord to the AC/DC converter or the battery charger.



Keep tools and other metal objects away from battery terminals. Contact with tools can cause electrical shock.



Do not use a cell phone, walkie/talkie, laptop, or other radio transmitter while operating.



Wear safety goggles.



Contains Lead.

II. SAFETY



Explosive conditions exist!



Do not place the Travel Scooter in freewheel mode on a decline or incline.



Do not use batteries with different amp-hour (Ah) capacities. Do not mix old and new batteries. Always replace both batteries at the same time.



Battery charger for indoor use only.



Disposal and recycling — Contact your local recycling center for information on proper disposal and recycling of your Mega Motion product and its packaging.



Do not allow unsupervised children to play near the Travel Scooter while the batteries are charging.



Keep your hands away from the tires when driving. Be aware that loose fitting clothing can become caught in drive tires.

II. SAFETY

GENERAL



MANDATORY! Do not operate your new Travel Scooter for the first time without completely reading and understanding this owner's manual.

Your Travel Scooter is a state-of-the-art life-enhancement device designed to increase mobility. Mega Motion provides an extensive variety of products to best fit the individual needs of the Travel Scooter user. Please be aware that the final selection and purchasing decision regarding the type of Travel Scooter to be used is the responsibility of the Travel Scooter user who is capable of making such a decision.

The contents of this manual are based on the expectation that a mobility device expert has properly fitted the Travel Scooter to the user and has assisted Mega Motion in the instruction process for the use of the product.

There are certain situations, including some medical conditions, where the Travel Scooter user will need to practice operating the Travel Scooter in the presence of a trained attendant. A trained attendant can be defined as a family member or care professional specially trained in assisting a Travel Scooter user in various daily living activities.

As you begin using your Travel Scooter during daily activities, you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you maneuver through doorways, on and off elevators, up and down ramps, and over moderate terrain.

Below are some precautions, tips, and other safety considerations that will help the user become accustomed to operating the Travel Scooter safely.

MODIFICATIONS

Mega Motion has designed and engineered your Travel Scooter to provide maximum mobility and utility. However, under no circumstances should you modify, add, remove, or disable any feature, part, or function of your Travel Scooter.



WARNING! Do not modify your Travel Scooter in any way not authorized by Mega Motion. Do not use accessories if they have not been tested or approved for Mega Motion products.

REMOVABLE PARTS



WARNING! Do not attempt to lift or move your Travel Scooter by any of its removable parts, including the armrests, seat, or shroud.

PRE-RIDE SAFETY CHECK

Get to know the feel of your Travel Scooter and its capabilities. Mega Motion recommends that you perform a safety check before each use to make sure your Travel Scooter operates smoothly and safely.

II. SAFETY

Perform the following inspections prior to using your Travel Scooter:

- Maintain but do not exceed the psi/bar/kPa air pressure rating indicated on each tire if equipped with pneumatic tires.
- Check all electrical connections. Make sure they are tight and not corroded.
- Check all controller connections to the electronics tray. Make sure they are secured properly.
- Check the brakes (freewheel lever in drive mode).
- Check battery charge.

If you discover a problem, contact 1-800-MEGA-508 for assistance.

WEIGHT LIMITATIONS

Your Travel Scooter is rated for a maximum weight capacity. Refer to the specifications table for information. Keep in mind that the maximum weight capacity includes the combined weight of the user and any accessories mounted to the Travel Scooter.



MANDATORY! Stay within the specified weight capacity for your Travel Scooter. Exceeding the weight capacity voids your warranty. Mega Motion will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations.



WARNING! Do not carry passengers on your Travel Scooter. Carrying passengers on your Travel Scooter may affect the center of gravity, resulting in a tip or a fall.

TIRE INFLATION

If your Travel Scooter is equipped with pneumatic tires, you should check or have the air pressure checked regularly. Proper inflation pressures will prolong the life of your tires and help ensure the smooth operation of your power chair.



WARNING! It is important that the psi/bar/kPa air pressure rating indicated on the tire be maintained in pneumatic tires at all times. Do not underinflate or overinflate your tires. Low pressure may result in loss of control, and overinflated tires may burst. Failure to maintain the psi/bar/kPa air pressure rating indicated on the pneumatic tires at all times may result in tire and/or wheel failure.

WARNING! Inflate your Travel Scooter drive tires from a regulated air source with an available pressure gauge. Inflating your tires from an unregulated air source could overinflate them, resulting in a burst tire.

NOTE: If the tires on your Travel Scooter list the psi rating only, use the following conversion formulas to find the bar or kPa rating: $\text{bar} = \text{psi} \times 0.06895$; $\text{kPa} = \text{psi} \times 6.89476$.

INCLINE INFORMATION

More and more buildings have ramps with specified degrees of inclination, designed for easy and safe access. Some ramps may have turning switchbacks (180-degree turns) that require you to have good cornering skills on your Travel Scooter.

- Proceed with extreme caution as you approach the downgrade of a ramp or other incline.
- Take wide swings with your Travel Scooter around any tight corners. If you do that, the Travel Scooter's rear wheels will follow a wide arc, not cut the corner short, and not bump into or get hung up on any railing corners.
- When driving down a ramp, keep the Travel Scooter's speed adjustment set to the slowest speed setting to ensure a safely controlled descent.
- Avoid sudden stops and starts.

II. SAFETY

When climbing an incline, try to keep your Travel Scooter moving. If you must stop, start up again slowly, and then accelerate cautiously. When driving down an incline, do so by setting the speed adjustment dial to the slowest setting and driving in the forward direction only. If your Travel Scooter starts to move down the incline faster than you anticipated or desired, allow it to come to a complete stop by releasing the throttle control lever. Then push the throttle control lever forward slightly to ensure a safely controlled descent.



WARNING! When on any sort of an incline or decline, never place the Travel Scooter in freewheel mode, especially while seated on it or standing next to it.

WARNING! When climbing an incline, do not zigzag or drive at an angle up the face of the incline. Drive your Travel Scooter straight up the incline. This greatly reduces the possibility of a tip or a fall. Always exercise extreme caution when negotiating an incline.



WARNING! Do not drive your Travel Scooter across the side of an incline or diagonally up or down an incline; do not stop, if possible, while driving up or down an incline.

WARNING! You should not travel up or down a potentially hazardous incline (i.e., areas covered with snow, ice, cut grass, or wet leaves).

WARNING! Even though your Travel Scooter is capable of climbing slopes greater than those illustrated in figure 1, do not, under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause instability in your Travel Scooter.

Handicap public access ramps are not subject to government regulation in all countries, and therefore do not necessarily share the same standard degree of slope. Other inclines may be natural or, if man-made, not designed specifically for Travel Scooters. **Figure 1** illustrates your Travel Scooter's stability and its ability to climb grades under various weight loads and under controlled testing conditions.

These tests were conducted with the Travel Scooter's seat in the highest position and adjusted rearward on the seat base to its farthest rearward position. Use this information as a guideline. Your Travel Scooter's ability to travel up inclines is affected by your weight, your Travel Scooter's speed, your angle of approach to the incline, and your Travel Scooter setup.

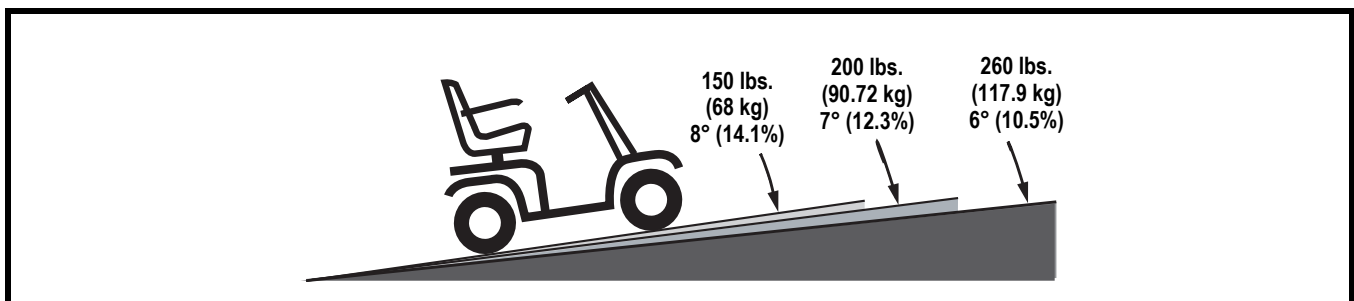


Figure 1. Maximum Recommended Incline Angles



WARNING! Never carry an oxygen tank weighing more than 15 lbs. (6.8 kg). Never fill the front or rear basket with contents exceeding 15 lbs. (6.8 kg).

WARNING! Any attempt to climb or descend a slope steeper than what is shown in figure 1 may put your Travel Scooter in an unstable position and cause it to tip.

II. SAFETY

When you approach an incline, it is best to lean forward. See **figures 2 and 2A**. This shifts the center of gravity of you and your Travel Scooter toward the front of the Travel Scooter for improved stability.

NOTE: When negotiating ramps, if the throttle control lever is released while moving forward, the powered Travel Scooter may roll back approximately 1 foot (30.48 cm) before the brake engages. If the throttle control lever is released while moving in reverse, the powered Travel Scooter may roll back approximately 3 feet (1 meter) before the brake engages.

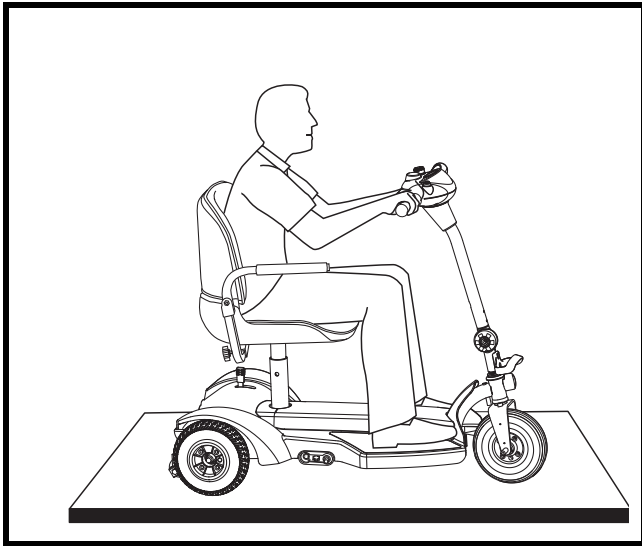


Figure 2. Normal Driving Position

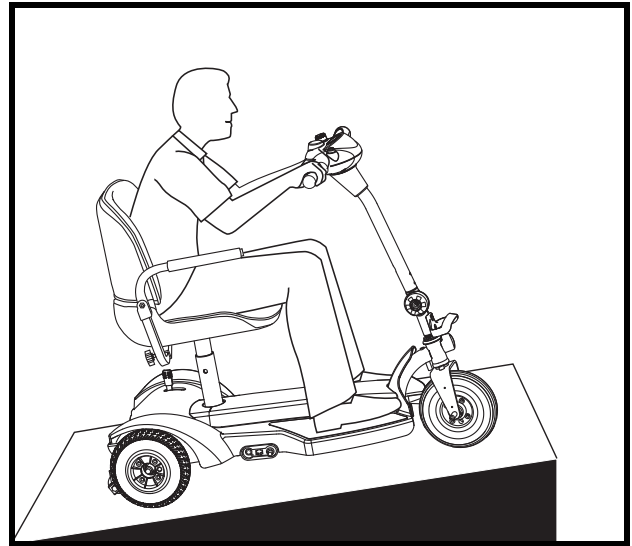


Figure 2A. Increased Stability Driving Position

CORNERING INFORMATION

Excessively high cornering speeds can create the possibility of tipping. Factors which affect the possibility of tipping include, but are not limited to, cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area – especially at high speed while turning), and abrupt directional changes. High cornering speeds are not recommended. If you feel that you may tip over in a corner, reduce your speed and steering angle (i.e., lessen the sharpness of the turn) to prevent your Travel Scooter from tipping.



WARNING! When cornering sharply, reduce your speed and maintain a stable center of gravity. When using your Travel Scooter at higher speeds, do not corner sharply. This greatly reduces the possibility of a tip or fall.

BRAKING INFORMATION

Your Travel Scooter is equipped with these powerful brake systems:

- Regenerative: Uses electricity to rapidly slow the vehicle when the throttle control lever returns to the center/stop position.
- Disc Park Brake: Activates mechanically after regenerative braking slows the vehicle to near stop, or when power is removed from the system for any reason.

II. SAFETY

OUTDOOR DRIVING SURFACES

Your Travel Scooter is designed to provide optimum stability under normal driving conditions—dry, level surfaces composed of concrete, blacktop, or asphalt. However, Mega Motion recognizes that there will be times when you will encounter other surface types. For this reason, your Travel Scooter is designed to perform admirably on packed soil, grass, and gravel. Feel free to use your Travel Scooter safely on lawns and in park areas.

- Avoid driving on uneven terrain and/or soft surfaces.
- Avoid tall grass that can become tangled in the running gear or wrapped around the axle.
- Avoid loosely packed gravel and sand.
- Do not use your Travel Scooter in fresh or salt water.
- Do not use your Travel Scooter at the edge of a stream, lake, or ocean.
- If you feel unsure about a driving surface, avoid that surface.

PUBLIC STREETS AND ROADWAYS



WARNING! You should not operate your Travel Scooter on public streets and roadways. Be aware that it may be difficult for traffic to see you when you are seated on your Travel Scooter. Obey all local pedestrian traffic rules. Wait until your path is clear of traffic, and then proceed with extreme caution.

STATIONARY OBSTACLES (STEPS, CURBS, ETC.)

WARNING! Do not drive near raised surfaces, unprotected ledges, and/or drop-offs (curbs, porches, stairs, etc.).

WARNING! Do not attempt to have your Travel Scooter climb or descend an obstacle that is inordinately high.



WARNING! Do not attempt to have your Travel Scooter proceed backward down any step, curb, or other obstacle. This may cause the Travel Scooter to tip.

WARNING! Be sure your Travel Scooter is traveling perpendicular to any curb you may be required to ascend or descend. See figures 3 and 4.

WARNING! Even though your Travel Scooter may be capable of handling greater obstacles, Mega Motion recommends that you do not attempt to negotiate a curb that has a height greater than 2 in. (5 cm). Doing so could cause instability in your Travel Scooter.

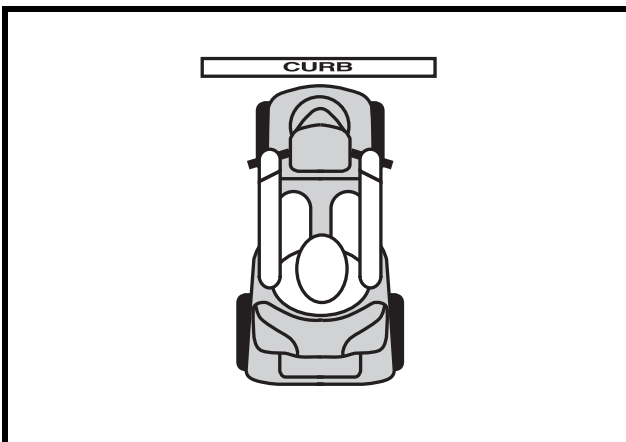


Figure 3. Correct Curb Approach

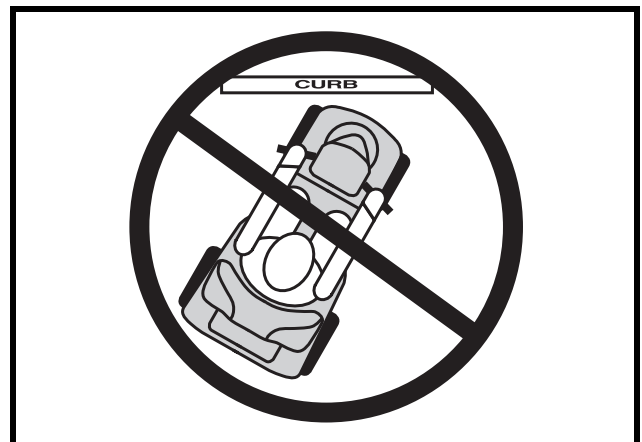


Figure 4. Incorrect Curb Approach

II. SAFETY

INCLEMENT WEATHER PRECAUTIONS

Exposure of your Travel Scooter to inclement weather conditions should be avoided whenever possible. If suddenly caught up in rain, snow, severe cold or heat while operating your Travel Scooter proceed to shelter at the earliest opportunity. Thoroughly dry your Travel Scooter before storing, charging, or operating your Travel Scooter.



PROHIBITED! Operating in rain, snow, salt, mist/spray conditions, and on icy/slippery surfaces can cause damage to the Travel Scooter and electrical system. Maintain and store your Travel Scooter in a dry and clean condition.



WARNING! Prolonged exposure to hot or cold conditions may affect the temperature of upholstered and non-upholstered items on the Travel Scooter, possibly resulting in skin irritation. Exercise caution when using your Travel Scooter in extremely hot or cold conditions or when exposing your Travel Scooter to direct sunlight for prolonged periods of time.

FREEWHEEL MODE

Your Travel Scooter is equipped with a manual freewheel lever that, when pushed forward, allows the Travel Scooter to be pushed. For more information about how to place your Travel Scooter into and out of freewheel mode, see III. “Your Travel Scooter.”



WARNING! When your Travel Scooter is in freewheel mode, the braking system is disengaged.

- **Disengage the drive motors only on a level surface.**
- **Ensure the key is removed from the key switch.**
- **Stand beside the Travel Scooter to engage or disengage freewheel mode. Never sit on a Travel Scooter to do this.**
- **After you have finished pushing your Travel Scooter, always return it to the drive mode to lock the brakes.**

An added feature built into the Travel Scooter is “**push-too-fast**” protection which safeguards the Travel Scooter against gaining excessive speed while in freewheel mode.

“Push-too-fast” operates differently depending on which of two conditions exists:

- If the key is turned to the “off” position while in freewheel mode, the Travel Scooter’s controller activates regenerative braking when the Travel Scooter is pushed faster than a maximum threshold which has been preprogrammed. In this case, the controller is acting as a speed governor.
- If the key is in the “on” position while in freewheel mode, you will encounter considerable resistance at any speed because the brakes are fully engaged. This prevents the Travel Scooter from gaining unwanted momentum should the manual freewheel lever inadvertently be released while driving the Travel Scooter.

STAIRS AND ESCALATORS

Travel Scooters are not designed to travel up or down stairs or escalators. Always use an elevator.



WARNING! Do not use your Travel Scooter to negotiate steps or escalators.

DOORS

- Determine if the door opens toward or away from you.
- Use your hand to turn the knob or push the handle or push-bar.
- Drive your Travel Scooter gently and slowly forward to push the door open. Or drive your Travel Scooter gently and slowly backwards to pull the door open.

II. SAFETY

ELEVATORS

Modern elevators have a door edge safety mechanism that, when pushed, reopens the door(s).

- If you are in the doorway of an elevator when the door(s) begin to close, push on the rubber door edge or allow the rubber door edge to contact the Travel Scooter and the door will reopen.
- Use care that pocketbooks, packages, or Travel Scooter accessories do not become caught in elevator doors.

NOTE: *If your Travel Scooter's turning radius is greater than 60 in. (152.4 cm), it may be difficult to maneuver in elevators and building entrances. Use caution when attempting to turn or maneuver your Travel Scooter in small spaces, and avoid areas that might pose a problem.*

LIFT/ELEVATION PRODUCTS

If you will be transporting your Travel Scooter during travel, you may find it necessary to use a vehicle-mounted lift system or elevation product to aid in transportation. Mega Motion recommends that you closely review the warnings, instructions, specifications, and safety information set forth by the manufacturer of the lift/elevation product before using that product.



WARNING! Not all lift systems/elevation products are rated for use with an occupied mobility device. Mega Motion recommends that you do not remain seated in your Travel Scooter when it is being used in connection with any type of lift system/elevation product unless:

- That product is rated for occupied use by the manufacturer.
- You are able to occupy your mobility device in strict conformity with the warnings, instructions, specifications, and safety guidelines set forth by the manufacturer.

WARNING! Always turn off the power to the unit when you are being transferred via an elevation product. Failure to do so may result in accidental throttle control lever contact, resulting in unintended movement and personal injury or product damage.

BATTERIES

In addition to following the warnings below, be sure to comply with all other battery handling information.



MANDATORY! Battery posts, terminals, and related accessories contain lead and lead compounds. Wear goggles and gloves while handling batteries and wash hands after handling.

WARNING! Travel Scooter batteries are heavy. See specifications table. If you are unable to lift that much weight, be sure to get help. Use proper lifting techniques and avoid lifting beyond your capacity.



WARNING! Always protect the batteries from freezing and never charge a frozen battery.

WARNING! Connect the battery harnesses in the proper manner. RED (+) cables must be connected to positive (+) battery terminals/posts. BLACK (-) cables must be connected to negative (-) battery terminals/posts. Protective caps should be installed over all battery terminals. REPLACE cables immediately if damaged.

BATTERY DISPOSAL AND RECYCLING

If you encounter a damaged or cracked battery, immediately enclose it in a plastic bag and contact your local waste disposal agency or recycling center for instructions on disposal and battery recycling, which is our recommended course of action.

II. SAFETY

MOTOR VEHICLE TRANSPORT

Mega Motion recommends that you do not remain seated in your Travel Scooter while traveling in a motor vehicle. The Travel Scooter should be stowed in the trunk of a car or in the back of a truck or van with the batteries removed and properly secured. In addition, all removable Travel Scooter parts, including the armrests, seat, and shroud should be removed and/or properly secured during motor vehicle transport.

WARNING! Although your Travel Scooter may be equipped with a positioning belt, this belt is not designed to provide restraint during motor vehicle transport. Anyone travelling in a motor vehicle should be properly secured in the motor vehicle seat with safety belts fastened securely.



WARNING! Do not sit on your Travel Scooter while it is in a moving vehicle.

WARNING! Always be sure your Travel Scooter and its batteries are properly secured when it is being transported. Batteries should be secured in an upright position, and protective caps should be installed on the battery terminals. Batteries should not be transported with any flammable or combustible items.

PREVENTING UNINTENDED MOVEMENT



WARNING! If you anticipate being seated in a stationary position for an extended period of time, turn off the power. This will prevent unexpected motion from inadvertent throttle control lever contact.

GETTING ONTO AND OFF OF YOUR TRAVEL SCOOTER

Getting onto and off of your Travel Scooter requires a good sense of balance. Please observe the following safety tips when getting onto and off of your Travel Scooter:

- Remove the key from the key switch.
- Ensure that your Travel Scooter is not in freewheel mode. See III. “Your Travel Scooter.”
- Make certain that the seat is secured into place.

WARNING! Position yourself as far back as possible in the Travel Scooter seat to prevent the Travel Scooter from tipping.



WARNING! Avoid putting all of your weight on the Travel Scooter armrests and do not use the armrests for weight bearing purposes, such as transfers. Such use may cause the Travel Scooter to tip, resulting in a fall from the Travel Scooter and personal injury.

WARNING! Avoid putting all of your weight on the floorboard. Such use may cause the Travel Scooter to tip.

REACHING AND BENDING

Avoid reaching or bending while driving your Travel Scooter. Bending forward creates the risk of accidental throttle control lever contact. Bending to the side while seated creates the risk of tipping. It is important to maintain a stable center of gravity and keep the Travel Scooter from tipping. Mega Motion recommends that the Travel Scooter user determine his/her personal limitations and practice bending and reaching in the presence of a qualified attendant.



WARNING! Do not bend, lean, or reach for objects if you have to pick them up from the Travel Scooter deck or from either side of the Travel Scooter. Movements such as these may change your center of gravity and the weight distribution of the Travel Scooter and cause your Travel Scooter to tip.



PROHIBITED! Keep your hands away from the tires when driving. Be aware that loose fitting clothing can become caught in drive tires.

II. SAFETY

PRESCRIPTION DRUGS/PHYSICAL LIMITATIONS

The Travel Scooter user must exercise care and common sense when operating his/her Travel Scooter. This includes awareness of safety issues when taking prescribed or over-the-counter drugs or when the user has specific physical limitations.



WARNING! Consult your physician if you are taking prescribed or over-the-counter medication or if you have certain physical limitations. Some medications and limitations may impair your ability to operate your Travel Scooter in a safe manner.

ALCOHOL/SMOKING

The Travel Scooter user must exercise care and common sense when operating his/her Travel Scooter. This includes awareness of safety issues while under the influence of alcohol or while smoking.

WARNING! Do not operate your Travel Scooter while you are under the influence of alcohol, as this may impair your ability to operate the Travel Scooter in a safe manner.



WARNING! Mega Motion strongly recommends that you do not smoke cigarettes while seated in your Travel Scooter, although the Travel Scooter seat has passed the necessary testing requirements for cigarette smoke. You must adhere to the following safety guidelines if you decide to smoke cigarettes while seated in your Travel Scooter:

- Do not leave lit cigarettes unattended.
- Keep ashtrays a safe distance from the seat cushions.
- Always make sure cigarettes are completely extinguished before disposal.

ELECTROMAGNETIC AND RADIO FREQUENCY INTERFERENCE (EMI/RFI)



WARNING! Laboratory tests have shown that electromagnetic and radio frequency waves can have an adverse affect on the performance of electrically-powered mobility vehicles.

Electromagnetic and Radio Frequency Interference can come from sources such as cellular phones, mobile two-way radios (such as walkie-talkies), radio stations, TV stations, amateur radio (HAM) transmitters, wireless computer links, microwave signals, paging transmitters, and medium-range mobile transceivers used by emergency vehicles. In some cases, these waves can cause unintended movement or damage to the control system. Every electrically-powered mobility vehicle has an immunity (or resistance) to EMI. The higher the immunity level, the greater the protection against EMI. This product has been tested and has passed at an immunity level of 20 V/M.



WARNING! Be aware that cell phones, two-way radios, laptops, and other types of radio transmitters may cause unintended movement of your electrically-powered mobility vehicle due to EMI. Exercise caution when using any of these items while operating your mobility vehicle and avoid coming into close proximity of radio and TV stations.



WARNING! The addition of accessories or components to the electrically-powered mobility vehicle can increase the susceptibility of the vehicle to EMI. Do not modify your Travel Scooter in any way not authorized by Mega Motion.

WARNING! The electrically-powered mobility vehicle itself can disturb the performance of other electrical devices located nearby, such as alarm systems.

NOTE: If unintended motion or brake release occurs, turn your Travel Scooter off as soon as it is safe to do so. Call Mega Motion at 1-800-MEGA-508 to report the incident.

III. YOUR TRAVEL SCOOTER

TILLER CONSOLE COMPONENTS

The tiller console houses all controls needed to drive your Travel Scooter, including the key switch, throttle control lever, horn button, speed adjustment dial, and the battery condition meter. See figure 5.



WARNING! Do not expose the tiller console to moisture. In the event that the tiller console does become exposed to moisture, do not attempt to operate your Travel Scooter until the tiller console has dried thoroughly.

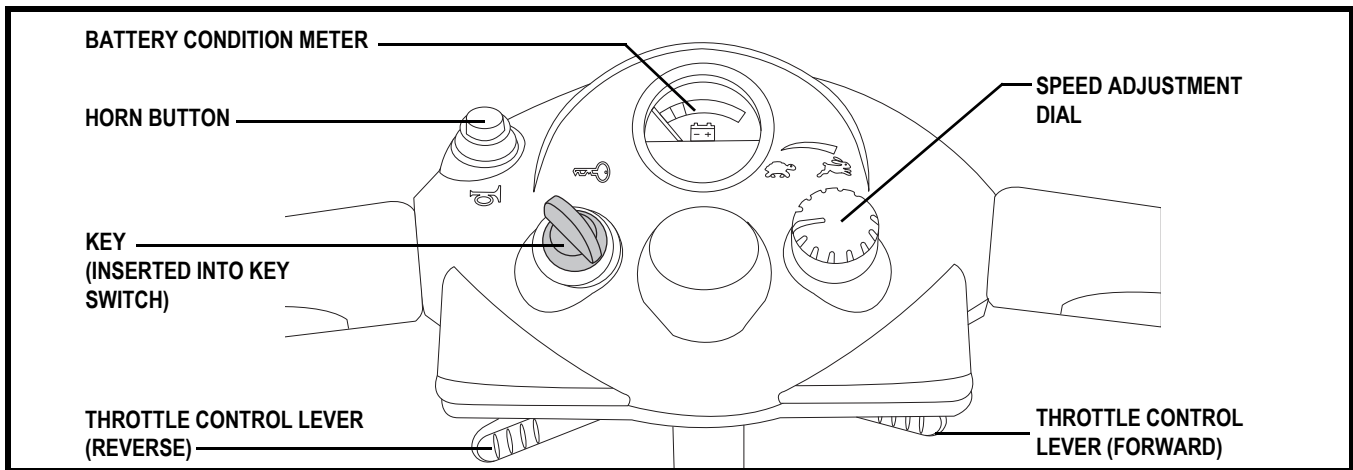


Figure 5. Tiller Console

Key Switch

- Insert the key into the key switch and turn it clockwise to power up (turn on) your Travel Scooter.
- Turn the key counterclockwise to power down (turn off) your Travel Scooter.

Although the key can be left in the key switch when the Travel Scooter is powered down, we recommend removing it to prevent unauthorized use of your Travel Scooter.



WARNING! If the key is moved to the “off” position while your Travel Scooter is in motion, the electronic brakes will engage and your Travel Scooter will come to an abrupt stop!

Throttle Control Lever

This lever allows you to control the forward speed and the reverse speed of your Travel Scooter up to the maximum speed you preset with the speed adjustment dial.

- Place your right hand on the right handgrip and your left hand on the left handgrip.
- Use your right thumb to push the right side of the lever to disengage your Travel Scooter’s brakes and move forward.
- Release the lever and allow your Travel Scooter to come to a complete stop before pushing the other side of the lever to move in reverse.
- When the throttle is completely released, it automatically returns to the center “stop” position and engages your Travel Scooter’s brakes.

Horn Button

The Travel Scooter must be “on” for the horn to be operational. This button activates a warning horn. Do not hesitate to use the warning horn when doing so may prevent accident or injury.

Battery Condition Meter

When the key is fully inserted into the key switch, this meter indicates approximate battery strength. For further information on the battery condition meter, see IV. “Batteries and Charging.”

III. YOUR TRAVEL SCOOTER

Speed Adjustment Dial

This dial allows you to preselect and limit your Travel Scooter's top speed.

- The image of the tortoise represents the slowest speed setting.
- The image of the hare represents the fastest speed setting.

LOWER TILLER COMPONENTS

Tiller Adjustment Knob

Your Travel Scooter is equipped with an adjustable pivoting tiller that you can position to maximize your ergonomic comfort.



WARNING! Remove the key from the key switch before adjusting the tiller or the seat. Never attempt to adjust the tiller or the seat while the Travel Scooter is in motion.

To use the tiller adjustment knob:

1. While supporting the tiller, turn the tiller adjustment knob counterclockwise to loosen the tiller. See figure 6.
2. Move the tiller to a comfortable position.
3. Turn the tiller adjustment knob clockwise to secure the tiller in position.

NOTE: In order to lower the tiller to its lowest point, you must first remove the seat.

Tiller Handle

The tiller handle is located below the tiller adjustment knob (see figure 6) and should be used when lifting the front end of the Travel Scooter during storage or transport. Make sure the tiller lock knob is in the locked position before using the tiller handle to lift the Travel Scooter.

Tiller Lock Knob

The tiller lock knob allows the tiller to be locked in the straight ahead position. Locking the tiller is helpful when transporting the Travel Scooter because it will stabilize the front wheel, keeping the Travel Scooter from moving from side to side.



WARNING! Before getting onto your Travel Scooter, always check that the tiller lock knob is in the unlocked position. See figure 7. Attempting to ride your Travel Scooter with the tiller lock knob in the locked position can result in personal injury.

From the unlocked position (see figure 7), lock the front wheel by pushing the tiller lock knob in and turning it clockwise 90°. See figure 8.

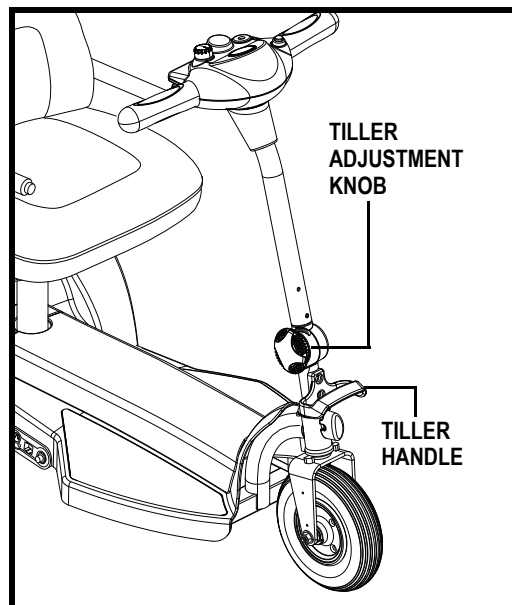


Figure 6. Tiller Adjustment

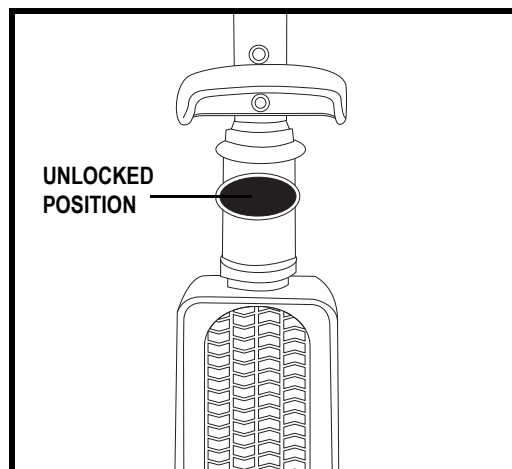


Figure 7. Tiller Lock Knob (Unlocked)

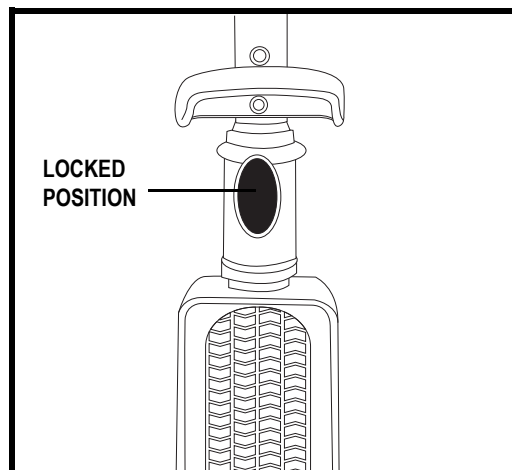


Figure 8. Tiller Lock Knob (Locked)

III. YOUR TRAVEL SCOOTER

SEAT ADJUSTMENTS

To adjust the height of the seat:

1. Remove the seat by lifting it straight up and off of the Travel Scooter.
2. Use the attached ring to pull and remove the detent pin from the lower seat post. **See figure 9.**
3. Raise or lower the upper seat post to the desired seat height.
4. While holding the upper seat post at that height, align the adjustment holes of the upper and lower seat posts.
5. Fully insert the detent pin.
6. Reinstall the seat.

To adjust the width of the armrests:

1. Loosen the armrest adjustment knobs located at the rear of the seat.
2. Slide the armrests in or out to the desired width.
3. Tighten the armrest adjustment knobs as required.

NOTE: The armrests can also pivot upwards to aid in getting onto and off of the Travel Scooter.

REAR SECTION COMPONENTS

The manual freewheel lever, anti-tip wheels, motor/transaxle assembly, and charging system components are located on the rear section of your Travel Scooter. See figure 10.



WARNING! Before placing your Travel Scooter into or taking it out of freewheel mode, remove the key from the key switch. Never sit on a Travel Scooter when it is in freewheel mode. Never put a Travel Scooter in freewheel mode on any incline.

Motor/Transaxle Assembly

The motor/transaxle assembly is an electromechanical unit that converts electrical energy from your Travel Scooter's batteries into the controlled mechanical energy that drives the Travel Scooter's wheels.

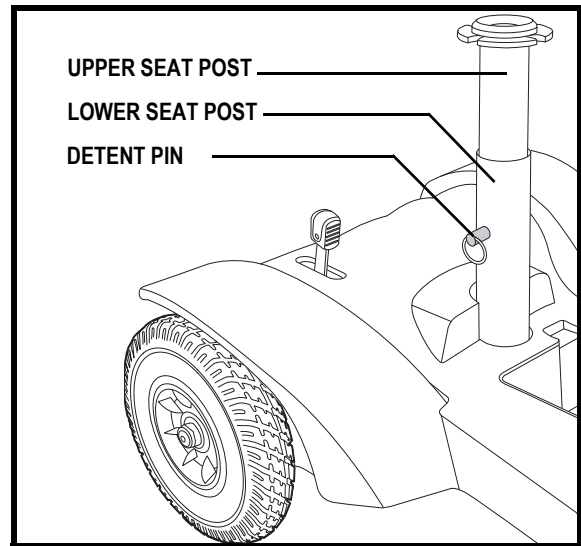


Figure 9. Seat Height Adjustment

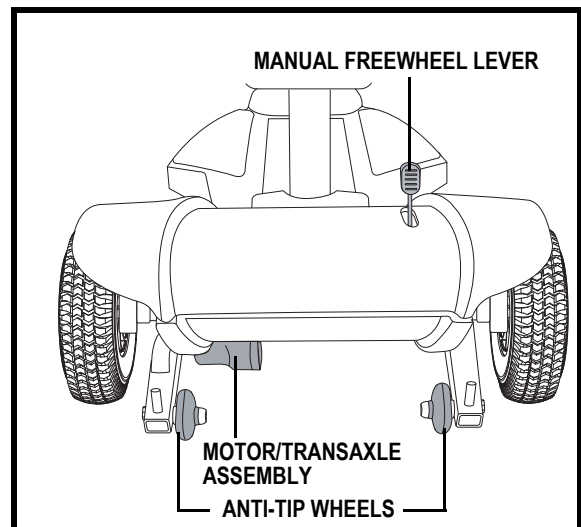


Figure 10. Rear Section

III. YOUR TRAVEL SCOOTER

Manual Freewheel Lever

Whenever you need or want to push your Travel Scooter for short distances, you can put it in freewheel mode.

1. Push forward on the manual freewheel lever to disable the drive system and the brake system. You may now push your Travel Scooter.
2. Push the manual freewheel lever backward to reengage the drive and the brake systems; this takes your Travel Scooter out of freewheel mode.

WARNING! When your Travel Scooter is in freewheel mode, the braking system is disengaged.



- Disengage the drive motors only on a level surface.
- Ensure the key is removed from the key switch.
- Stand to the side of the Travel Scooter to engage or disengage freewheel mode. Never sit on a Travel Scooter to do this.
- After you have finished pushing your Travel Scooter, always return it to the drive mode to lock the brakes.

Anti-Tip Wheels

The anti-tip wheels are an integral and important safety feature of your Travel Scooter. They are bolted to the frame at the rear of the scooter.



PROHIBITED! Do not remove the anti-tip wheels or modify your Travel Scooter in any way that is not authorized by Mega Motion.

Charger Power Cord Receptacle

The Travel Scooter's 3-pin off-board charger cord plugs into this receptacle. See figure 11.

Main Circuit Breaker (Reset Button)

When the voltage in your Travel Scooter's batteries becomes low or the Travel Scooter is heavily strained because of excessive loads or steep inclines, the main circuit breaker may trip to protect the motor and electronics from damage. See figure 11.

- The main circuit breaker reset button pops out when the breaker trips.
- When the breaker trips, the entire electrical system of your Travel Scooter shuts down.
- Allow a minute or two for your Travel Scooter's electronics to "rest."
- Push in the reset button to reset the main circuit breaker.
- If the main circuit breaker trips frequently, you may need to charge your batteries more often. You may also need to have the batteries load tested.
- If the main circuit breaker trips repeatedly, contact Mega Motion at 1-800-MEGA-508.

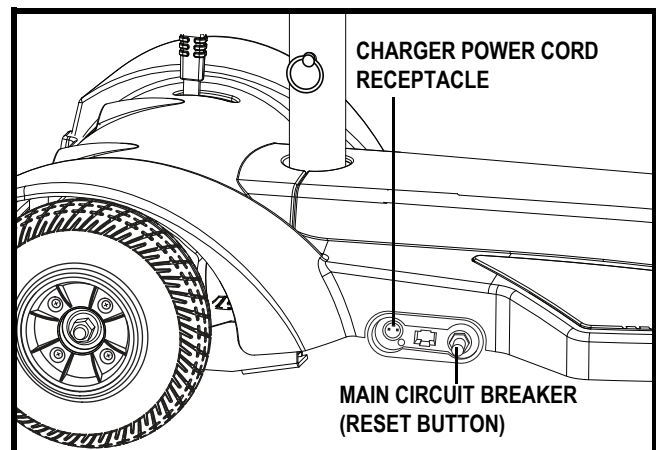


Figure 11. Charging System Components

IV. BATTERIES AND CHARGING

Your Travel Scooter is equipped with two sealed, maintenance free, 12 Ah batteries. Fully charge the batteries prior to using your Travel Scooter for the first time. Keeping the batteries fully charged will keep your Travel Scooter running smoothly.

READING YOUR BATTERY VOLTAGE

The battery condition meter on the tiller console uses a color code to indicate the approximate strength of your batteries. From right to left, green indicates fully charged batteries, yellow a draining charge, and red indicates that an immediate recharge is necessary. See figure 12. To ensure the highest accuracy, the battery condition meter should be checked while operating your Travel Scooter at full speed on a dry, level surface. To check the battery strength during charging, you must first unplug the charger power cord and turn on your Travel Scooter

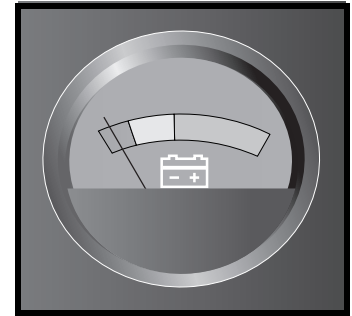


Figure 12. Battery Condition Meter

CHARGING THE BATTERIES



PROHIBITED! Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.



PROHIBITED! Never use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.



PROHIBITED! Do not allow unsupervised children to play near the Travel Scooter while the batteries are charging. Mega Motion recommends that you do not charge the batteries while the Travel Scooter is occupied.



MANDATORY! Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the batteries.



WARNING! Explosive gases may be generated while charging the batteries. Keep the Travel Scooter and battery charger away from sources of ignition such as flames or sparks and provide adequate ventilation when charging the batteries.

WARNING! You must recharge your Travel Scooter's batteries with the supplied off-board charger. Do not use an automotive-type battery charger.



WARNING! Inspect the battery charger, wiring, and connectors for damage before each use. Contact 1-800-MEGA-508 if damage is found.

WARNING! Do not attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact 1-800-MEGA-508 for assistance.

WARNING! If the battery charger is equipped with cooling slots, then do not attempt to insert objects through these slots.



WARNING! If your battery charger has not been tested and approved for outdoor use, then do not expose it to adverse or extreme weather conditions. If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.

IV. BATTERIES AND CHARGING

Follow these easy steps to charge your batteries safely:

1. Position your Travel Scooter close to a standard electrical outlet. **See figure 13.**
2. Remove the key from the key switch.
3. Make certain that the manual freewheel lever is in drive mode.
4. Remove the charger power cord receptacle cover from the charger power cord receptacle and plug the 3-pin off-board charger power cord into the receptacle.
5. Extend the charger power cord from the off-board battery charger and plug it into the electrical outlet. **See figure 14.** It is recommended that you charge your batteries for 8 to 14 hours.

NOTE: *The LED lights on the charger indicate different charger conditions at various times: charger power on, charging in progress, and charging complete. Refer to the operating instructions supplied with the charger for a complete explanation of these indicators.*

6. When the batteries are fully charged, unplug the off-board charger power cord from the electrical outlet and then from the charger power cord receptacle.
7. Replace the charger power cord receptacle cover.

NOTE: *There is a charger inhibit function on your Travel Scooter. The Travel Scooter will not run and the battery condition meter will not operate if the charger power cord is not disconnected from the Travel Scooter.*

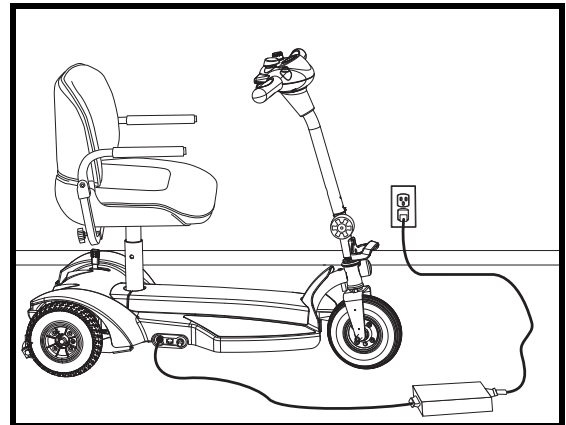


Figure 13. Charging The Batteries

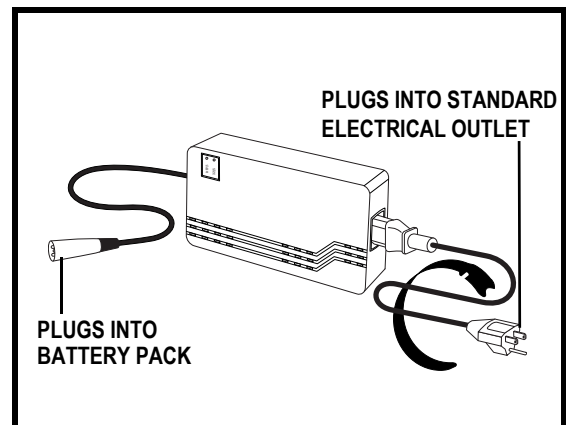


Figure 14. Off-Board Battery Charger

FREQUENTLY ASKED QUESTIONS

How does the charger work?

When your Travel Scooter's battery voltage is low, the charger works harder, sending more electrical current to the batteries to bring up their charge. As the voltage approaches full charge, the charger sends less and less electrical current to the batteries. When the batteries are fully charged, the current sent by the charger is at nearly zero amperage. Therefore, when the charger is plugged in, it maintains the charge on your Travel Scooter's batteries, but does not overcharge them. We do not recommend that you charge your Travel Scooter's batteries for more than 24 consecutive hours.

What if my Travel Scooter's batteries will not charge?

- Ensure that the fuse on the battery pack is in working condition.
- Ensure both ends of the charger power cord are inserted fully.

Can I use a different charger?

Chargers are selected precisely for particular applications and are especially matched to the type, size, and chemical formulation of specific batteries. For the safest and most efficient charging of your Travel Scooter's batteries, we recommend use of the charger supplied as original equipment with your Mega Motion product only. Any charging method resulting in batteries being charged individually is especially prohibited.

IV. BATTERIES AND CHARGING

How often must I charge the batteries?

Two major factors must be considered when deciding how often to charge your Travel Scooter's batteries:

- All day use on a daily basis.
- Infrequent or sporadic use.

With these considerations in mind, you can determine how often and for how long you should charge your Travel Scooter's batteries. The battery charger was designed so that it will not overcharge your Travel Scooter's batteries. However, you may encounter some problems if you do not charge your batteries often enough and if you do not charge them on a regular basis. Following the guidelines below will provide safe and reliable battery operation and charging.

- If you use your Travel Scooter daily, charge its batteries as soon as you finish using it for the day. Your Travel Scooter will be ready each morning. We recommend that you charge your Travel Scooter's batteries for 8 to 14 hours after daily use.
- If you use your Travel Scooter once a week or less, charge its batteries at least once a week for 12 to 14 hours at a time.
- Keep your Travel Scooter's batteries fully charged.
- Avoid deeply discharging your Travel Scooter's batteries.

How can I ensure maximum battery life?

Fully charged deep-cycle batteries provide reliable performance and extended battery life. Keep your Travel Scooter's batteries fully charged whenever possible. Protect your Travel Scooter and batteries from extreme heat or cold. Batteries that are regularly and deeply discharged, infrequently charged, stored in extreme temperatures, or stored without a full charge may be permanently damaged, causing unreliable performance and limited service life.

How can I get maximum range or distance per charge?

Rarely will you have ideal driving conditions—smooth, flat, hard driving surfaces with no wind or curves. Often, you will face hills, pavement cracks, uneven and loosely packed surfaces, curves, and wind, all of which affect the distance or running time per battery charge. Below are a few suggestions for obtaining the maximum range per battery charge.

- Always fully charge your Travel Scooter's batteries prior to daily use.
- Maintain but do not exceed the psi/bar/kPa air pressure rating indicated on each tire.
- Plan your route ahead to avoid as many hills, cracked, broken, or soft surfaces as possible.
- Limit your baggage weight to essential items.
- Try to maintain an even speed while your Travel Scooter is in motion.

What type and size of battery should I use?

Your Travel Scooter requires two deep cycle batteries. We recommend only sealed, maintenance-free types such as AGM or Gel-Cell. Do not use wet-cell batteries, which have removable caps. Refer to the specifications table for size as batteries differ depending on manufacturer.



WARNING! Corrosive chemicals are contained in batteries. Use only AGM or Gel-Cell batteries to reduce the risk of leakage or explosive conditions.

IV. BATTERIES AND CHARGING

How do I change the batteries in my Travel Scooter?



MANDATORY! Battery posts, terminals, and related accessories contain lead and lead compounds. Wear goggles and gloves when handling batteries and wash hands after handling.



WARNING! Always use two batteries of the exact same type, chemistry, and amp-hour (Ah) capacity. Refer to the specifications table in this manual and in the manual supplied with the battery charger for recommended type and capacities.

WARNING! Do not mix old and new batteries. Always replace both batteries at the same time.



WARNING! Contact 1-800-MEGA-508 if you have any questions regarding the batteries in your Travel Scooter.

WARNING! Do not replace the batteries while the Travel Scooter is occupied.

WARNING! The batteries on your Travel Scooter should only be serviced or replaced by Mega Motion or a qualified technician.

Battery Removal

1. Remove the key from the key switch.
2. Remove the seat by pulling it straight up and off of the Travel Scooter.
3. Remove the detent pin and upper seat post. See **figure 15**.
4. Position the Travel Scooter in a way that allows access to the underside of the Travel Scooter and remove the four (4) screws that secure the plastic shroud to the frame. See **figure 16**.
5. Return the Travel Scooter to an upright position.
6. Remove the shroud and set it out of the way.
7. Disconnect the red (+) positive and black (-) negative battery cables from the batteries by pulling them straight away from the battery terminals. See **figure 17**.
8. Loosen the battery straps and remove the batteries.

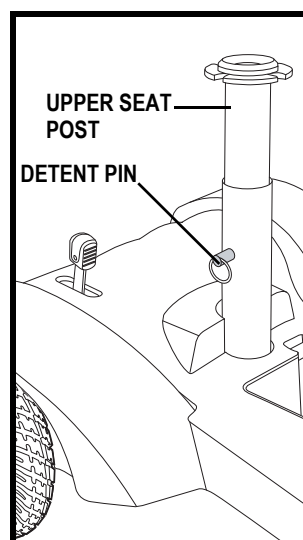


Figure 15. Seat Post Removal

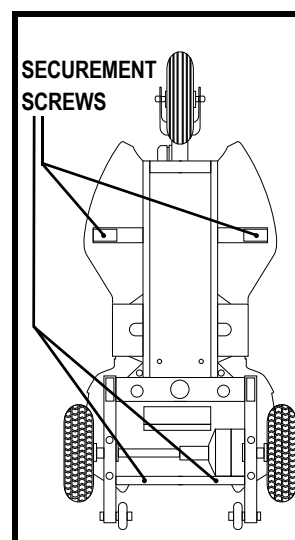


Figure 16. Shroud Securement Screws

Battery Replacement

1. Place the new batteries onto the Travel Scooter (battery terminals up) and secure the battery straps.
2. Reconnect the battery cables to the battery terminals of each battery.
 - Red cable to (+) positive terminal.
 - Black cable to (-) negative terminal.
3. Reinstall the shroud back onto the Travel Scooter frame.
4. Replace and tighten the screws that secure the shroud to the frame.
5. Reinstall the upper seat post and detent pin.
6. Reinstall the seat.

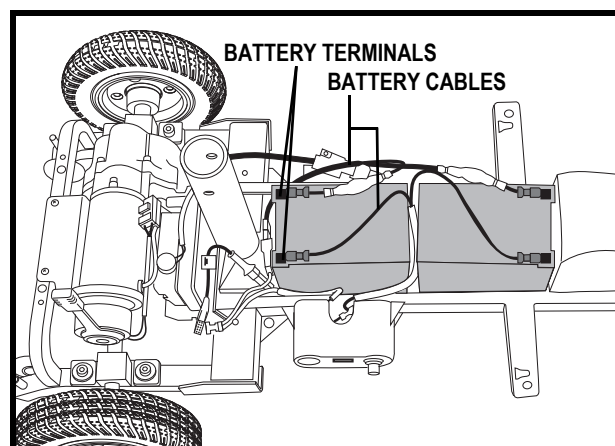


Figure 17. Battery Terminal Connections

IV. BATTERIES AND CHARGING

Why do my new batteries seem weak?

Deep-cycle batteries employ a different chemical technology than that used in car batteries, nickel-cadmium batteries (nicads), and other common battery types. Deep-cycle batteries are specifically designed to provide power, drain down their charge, and then accept a relatively quick recharge (8 to 14 hours).

We work closely with our battery manufacturer to provide batteries that best suit your Travel Scooter's specific electrical demands. Fresh batteries are shipped fully charged to our customers. During shipping, the batteries may encounter temperature extremes that can influence their initial performance. Heat diminishes the charge on the battery; cold slows the available power and extends the time needed to recharge the battery.

It may take a few days for the temperature of your Travel Scooter's batteries to stabilize and adjust to their new room or ambient temperature. More importantly, it takes a few charging cycles (partial draining followed by full recharging) to establish the critical chemical balance that is essential to a deep-cycle battery's peak performance and long life.

Follow these steps to properly break in your Travel Scooter's new batteries for maximum efficiency and service life:

1. Fully recharge any new battery prior to its initial use. This charging cycle brings the battery up to about 88% of its peak performance level.
2. Operate your new Travel Scooter in familiar and safe areas. Drive slowly at first, and do not travel too far from your home or familiar surroundings until you have become accustomed to your Travel Scooter's controls and have properly broken in your Travel Scooter's batteries.
3. Fully recharge the batteries. They should be at over 90% of their peak performance level.
4. Operate your Travel Scooter again.
5. Fully recharge the batteries again.
6. After four or five charging cycles, the batteries are able to receive a charge of 100% of their peak performance level and are able to last for an extended period of time.

What about public transportation?

If you intend to use public transportation with your Travel Scooter, you must contact the transportation provider in advance to determine their specific requirements.

V. OPERATION

BEFORE GETTING ON YOUR TRAVEL SCOOTER

- Have you fully charged the batteries? See IV. “Batteries and Charging.”
- Is the manual freewheel lever in the drive (backward) position? Never leave the manual freewheel lever pushed forward unless you are manually pushing your Travel Scooter.
- Is the tiller lock knob in the unlocked position? See figures 7 and 8.

GETTING ONTO YOUR TRAVEL SCOOTER



WARNING! Never attempt to get onto or off of your Travel Scooter without first removing the key from the key switch. This will prevent the Travel Scooter from moving if accidental throttle control lever contact is made.

1. Make certain that the key is removed from the key switch.
2. Make certain that the seat is fixed securely in position.
3. Position yourself comfortably and securely in the seat.
4. Make certain that your feet are safely on the floorboard.

PRE-RIDE ADJUSTMENTS AND CHECKS

- Are you positioned comfortably in the seat?
- Is the seat at the proper height?
- Is the seat securely in place?
- Is the tiller at a comfortable driving position and locked securely in place?
- Is the tiller lock knob in the unlocked position?
- Is the key in the “on” position? See III. “Your Travel Scooter.”
- Does the Travel Scooter’s horn work properly?
- Is your proposed path clear of people, pets, and obstacles?
- Have you planned your route to avoid adverse terrain and as many inclines as possible?

OPERATING YOUR TRAVEL SCOOTER



WARNING! The following can adversely affect steering and stability while operating your Travel Scooter:

- Holding onto or attaching a leash to walk your pet.
- Carrying passengers (including pets).
- Hanging any article from the tiller.
- Towing or being pushed by another motorized vehicle.

Keep both hands on the tiller and your feet on the floorboard at all times while operating your Travel Scooter. This driving position gives you the most control over your vehicle.

- Set the speed adjustment dial to your desired speed.
- Press your thumb against the appropriate side of the throttle control lever.
- The electromechanical disc park brake automatically disengages and the Travel Scooter accelerates smoothly to the speed you preselected with the speed adjustment dial.
- Pull on the left handgrip to steer your Travel Scooter to the left.
- Pull on the right handgrip to steer your Travel Scooter to the right.
- Move the tiller to the center position to drive straight ahead.
- Release the throttle control lever to decelerate and come to a complete stop.
- The electromechanical disc park brake automatically engages when your Travel Scooter comes to a stop.

V. OPERATION

NOTE: *Your Travel Scooter's reverse speed is slower than that of the forward speed you preset with the speed adjustment dial.*

GETTING OFF OF YOUR TRAVEL SCOOTER

1. Bring your Travel Scooter to a complete stop.
2. Remove the key from the key switch.
3. Carefully and safely get out of the seat to either side of the scooter.

POWER DOWN TIMER FEATURE

Your Travel Scooter is equipped with an energy saving automatic power down timer feature designed to preserve your Travel Scooter's battery life. If you mistakenly leave the key in the "on" position but do not use your Travel Scooter for approximately 20 minutes, the Travel Scooter's controller shuts down automatically.

If the power down timer feature takes effect, perform the following steps to resume normal operation.

1. Remove the key from the key switch.
2. Insert the key back into the key switch.

VI. DISASSEMBLY AND ASSEMBLY

DISASSEMBLY

No tools are required to disassemble or assemble your Travel Scooter. Always disassemble or assemble your Travel Scooter on a level, dry surface with sufficient room for you to work. Keep in mind that the disassembled sections of a Travel Scooter take up more floor space than the assembled Travel Scooter.

You can disassemble the Travel Scooter into two pieces: the seat and the main frame. See **figure 18**.

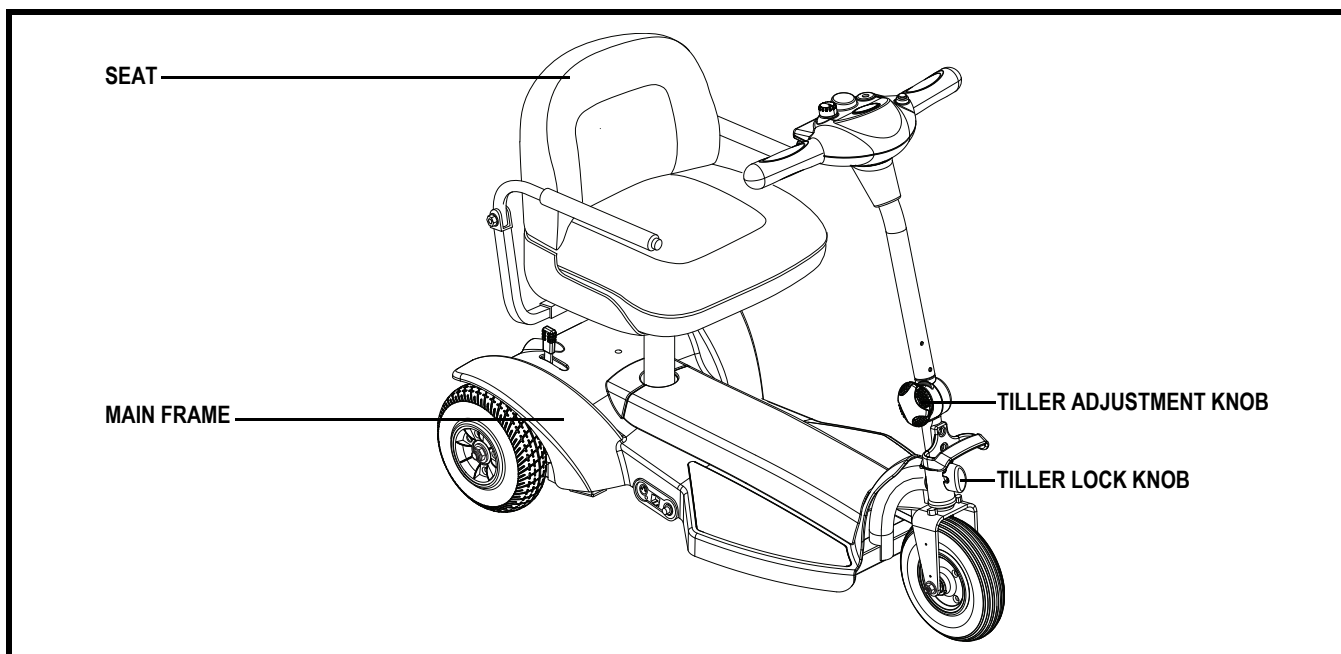


Figure 18. Travel Scooter Components

To disassemble the Travel Scooter:

1. Turn the tiller lock knob to its locked position. See III. “Your Travel Scooter.”
2. Remove the seat by lifting it straight up and off of the Travel Scooter.
3. Loosen the tiller adjustment knob and lower the tiller to its lowest point, then tighten the tiller adjustment knob.

ASSEMBLY

To assemble the Travel Scooter:

1. Loosen the tiller adjustment knob, raise the tiller to its desired position and retighten the tiller adjustment knob.
2. Turn the tiller lock knob to its UNLOCKED position. See **figure 7**.
3. Install the seat.

VII. BASIC TROUBLESHOOTING

Any electromechanical device requires occasional troubleshooting. However, most problems that arise can usually be solved with a bit of thought and common sense. Many of these problems occur because the batteries are not fully charged or because the batteries are worn down and can no longer hold a charge.

DIAGNOSTIC BEEP CODES

The diagnostic beep codes for your Travel Scooter are designed to help you perform basic troubleshooting quickly and easily. A diagnostic beep code will sound in the event one of the conditions listed below develops.

NOTE: *Your Travel Scooter will not run unless the beep code condition is resolved and the Travel Scooter has been turned off, then turned back on.*

BEEP CODE	POSSIBLE CONDITIONS	SOLUTION
1,1	1. Temperature >197.6°F (92°C) or <-13° (-25°C). 2. Excessive load on vehicle. 3. Operation in extreme environments. 4. Electromagnetic brake not releasing.	Let your Travel Scooter cool or move it to a warmer place. If necessary, push the main circuit breaker reset button.
1,2	1. Throttle input wire open or shorted. 2. Throttle pot defective. 3. Wrong throttle type selected.	Contact 1-800-MEGA-508.
1,4	1. Battery voltage <16volts. 2. Bad connection at battery or controller.	Charge batteries and/or check connections.
1,5	1. Battery voltage >32 volts. 2. Vehicle operating with charger attached. 3. Intermittent battery connection.	Disconnect charger. Check battery connections.
2,1	1. Main contactor driver failed open.	Contact 1-800-MEGA-508.
2,3	1. Main contactor welded or stuck open. 2. Main contactor driver fault. 3. Brake coil resistance too high.	Contact 1-800-MEGA-508.
2,4	1. Main contactor driver failed/closed.	Contact 1-800-MEGA-508.
3,1	1. Misadjusted throttle. 2. Broken throttle pot or throttle mechanism.	Contact 1-800-MEGA-508.
3,2	1. Electromagnetic brake driver shorted. 2. Electromagnetic brake coil open.	Turn key to off position, then push freewheel lever to drive mode and restart Travel Scooter.
3,3	1. Low battery voltage. 2. KSI and throttle turned on at same time.	Charge batteries. Restart the Travel Scooter without touching the throttle control lever.

VII. BASIC TROUBLESHOOTING

3,4	1. Electromagnetic brake driver open. 2. Electromagnetic brake coil shorted.	Contact 1-800-MEGA-508.
3,5	1. Improper sequence of throttle and KSI, or throttle 2. Misadjusted throttle pot.	Turn key to the off position, then back to the on position.
4,1	1. Short in motor or in motor wiring. 2. Controller failure.	Contact 1-800-MEGA-508.
4,2	1. Motor voltage does not correspond to failsafe throttle request. 2. Short in motor or in motor wiring. 3. Controller failure.	Contact 1-800-MEGA-508.
4,3	1. EEPROM failure or fault.	Contact 1-800-MEGA-508.
4,4	1. EEPROM failure or fault. 2. Short in motor or in motor wiring.	Contact 1-800-MEGA-508.

What if the motor runs but my Travel Scooter does not move?

- Your Travel Scooter was probably left in freewheel mode.
- When the manual freewheel lever is pushed forward, the brakes are disengaged and all power to the motor/transaxle is cut.
- Pull the manual freewheel lever backward to restore normal operation to your Travel Scooter.

What if the main circuit breaker trips repeatedly?

- Charge the Travel Scooter's batteries more frequently. See IV. "Batteries and Charging."
- See IV. "Batteries and Charging" or "Appendix I - Specifications" for information about your Travel Scooter's battery type.
- If the main circuit breaker trips repeatedly, contact 1-800-MEGA-508 for service.

What if the battery condition meter dips way down and the motor surges or hesitates when I press the throttle control lever?

- Fully charge your Travel Scooter's batteries. See IV. "Batteries and Charging."
- Have each battery load tested. Contact 1-800-MEGA-508 for service.

What if all the systems on my Travel Scooter seem to be "dead"?

- Make certain that the key is in the "on" position.
- Check that the batteries are fully charged. See IV. "Batteries and Charging."
- Push in the main circuit breaker reset button. See III. "Your Travel Scooter."
- Be sure the power down timer feature hasn't been activated.
- If having changed a battery recently, ensure all the battery connections secure.

If you experience any problems with your Travel Scooter that you are not able to solve, contact 1-800-MEGA-508 for information on maintenance and service.

VIII. CARE AND MAINTENANCE

Your Travel Scooter requires a minimal amount of care and maintenance. If you do not feel confident in your ability to perform the maintenance listed below, contact 1-800-MEGA-508 to schedule inspection and maintenance. The following areas require periodic inspection and/or care and maintenance.

TIRE PRESSURE

- If equipped with pneumatic tires, always maintain the psi/bar/kPa air pressure indicated on each tire.



WARNING! It is important that the psi/bar/kPa air pressure indicated on each tire be maintained in pneumatic tires at all times. Do not underinflate or overinflate your tires. Low pressure may result in loss of control, and overinflated tires may burst. Failure to maintain the psi/bar/kPa air pressure indicated on pneumatic tires at all times may result in tire and/or wheel failure.

- Regularly inspect your Travel Scooter's tires for signs of wear.

EXTERIOR SURFACES

Bumpers, tires, and trim can benefit from an occasional application of a rubber or vinyl conditioner.



WARNING! Do not use a rubber or vinyl conditioner on the Travel Scooter's vinyl seat or tire tread. They will become dangerously slippery.

CLEANING AND DISINFECTION

- Use a damp cloth and mild, non-abrasive cleanser to clean the plastic and metal parts of your Travel Scooter. Avoid using products that may scratch the surface of your Travel Scooter.
- If necessary, clean your product with an approved disinfectant. Make sure the disinfectant is safe for use on your product before application.



WARNING! Follow all safety instructions for the proper use of the disinfectant and/or cleaning agent before applying it to your product. Failure to comply may result in skin irritation or premature deterioration of upholstery and/or Travel Scooter finishes.

BATTERY TERMINAL CONNECTIONS

- Make certain that the terminal connections remain tight and are not corroded.
- The batteries must sit flat in the battery wells.
- The battery terminals should face towards the inside of the scooter.

ABS PLASTIC SHROUDS

The shroud pieces are formed from durable ABS plastic and are coated with an advanced formula urethane paint. A light application of car wax will help the shrouds retain their high gloss.

AXLE BEARINGS AND THE MOTOR/TRANSAXLE ASSEMBLY

These items are all prelubricated, sealed, and require no subsequent lubrication.

CONSOLE, CHARGER, AND REAR ELECTRONICS

- Keep these areas free of moisture.
- Allow these areas to dry thoroughly if they have been exposed to moisture before operating your Travel Scooter again.

VIII. CARE AND MAINTENANCE

WHEEL REPLACEMENT

If your Travel Scooter is equipped with a solid tire insert, either the solid insert or the entire wheel must be replaced depending on the model. Contact 1-800-MEGA-508 for information regarding replacement wheels for your Travel Scooter.

WARNING! Wheels on your Travel Scooter should only be serviced/replaced by an authorized Mega motion representative or qualified technician.



WARNING! Be sure that the key is removed from the key switch and the scooter is not in freewheel mode before performing this procedure.

WARNING! When changing a tire, remove only the center lug nut, then remove the wheel. If any further disassembly is required, deflate the tire completely or it may explode.

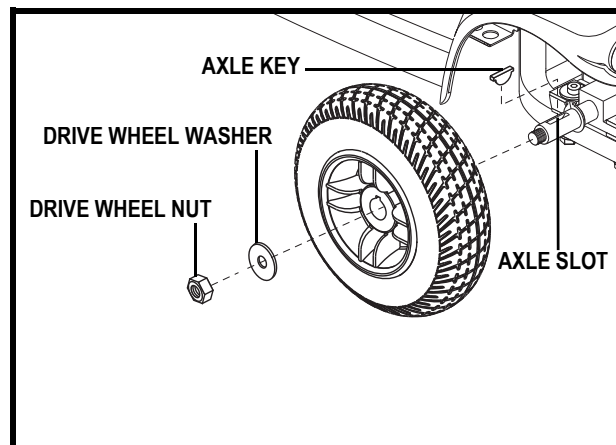


Figure 19. Drive Wheel Removal

Follow these easy steps for a quick and safe repair of solid tires:

1. Remove the key from the key switch.
2. Elevate the side of the scooter from which you are removing the tire. Place wooden blocks under the frame to elevate the scooter.
3. Remove the drive wheel nut and washer from the axle. See figure 19.
4. Pull the wheel off the axle.
5. Slide the new wheel back onto the axle. Make sure that the axle key is in the axle slot. See figure 19.



WARNING! Failure to ensure that the axle key is properly installed into the axle slot when mounting the wheel can result in electronic brake failure, personal injury, and/or product damage.

6. Reinstall the drive wheel nut and washer onto the axle and tighten.



WARNING! Make sure both the nut and washer are reinstalled and tightened properly.

7. Remove the block from beneath the scooter.

NYLON LOCK NUT REPLACEMENT

Any nylon insert lock nut removed during the periodic maintenance, assembly, or disassembly of the Travel Scooter must be replaced with a new nut. Nylon insert lock nuts should not be reused as it may cause damage to the nylon insert, resulting in a less secure fit. Replacement nylon insert lock nuts are available at local hardware stores or through Mega Motion.

VIII. CARE AND MAINTENANCE

WIRING HARNESSES

- Regularly check all wiring connections.
- Regularly check all wiring insulation, including the charger power cord, for wear or damage.
- Have your authorized Mega Motion representative repair or replace any damaged connector, connection, or insulation that you find before using your Travel Scooter again.



PROHIBITED! Even though the Travel Scooter has passed the necessary testing requirements for ingress of liquids, you should keep electrical connections away from sources of dampness, including direct exposure to water or bodily fluids and incontinence. Check electrical components frequently for signs of corrosion and replace as necessary.

FUSES REPLACEMENT

To replace a fuse:

1. Remove the fuse by pulling it straight out of its slot.
2. Examine the fuse to be sure it is blown. See figures 20 and 20A.
3. Insert a new fuse of the proper rating.



WARNING! The replacement fuse must exactly match the rating of the fuse being replaced. Failure to use properly rated fuses may cause damage to the electrical system.

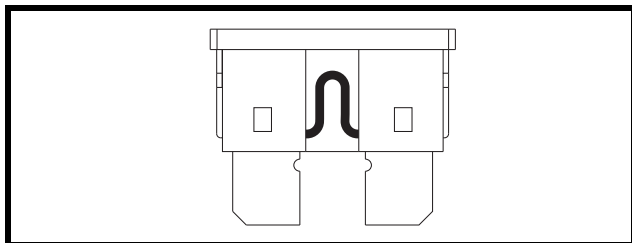


Figure 20. Working Fuse

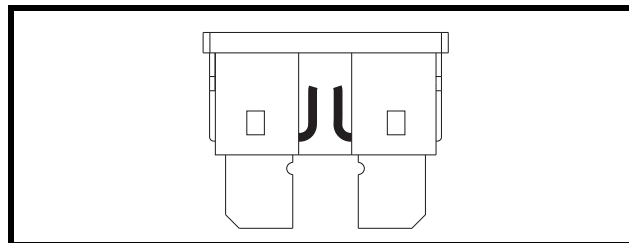


Figure 20A. Blown Fuse (Replace)

STORING YOUR TRAVEL SCOOTER

If you plan on not using your Travel Scooter for an extended period of time, it is best to:

1. Fully charge its batteries prior to storage.
2. Remove the battery pack from the Travel Scooter.
3. Store your Travel Scooter in a warm, dry environment.
4. Avoid storing your Travel Scooter where it will be exposed to temperature extremes.



WARNING! Always protect batteries from freezing temperatures and never charge a frozen battery.

Batteries that are regularly and deeply discharged, infrequently charged, stored in extreme temperatures, or stored without a full charge may be permanently damaged, causing unreliable performance and limited service life. It is recommended that you charge the Travel Scooter batteries periodically throughout periods of prolonged storage to ensure proper performance.

For prolonged storage, you may wish to place several boards under the frame of your Travel Scooter to raise it off of the ground. This takes the weight off the tires and reduces the possibility of flat spots developing on the areas of the tires contacting the ground.

DISPOSAL OF YOUR TRAVEL SCOOTER

Your Travel Scooter must be disposed of according to applicable local and national statutory regulations. Contact your local waste disposal agency or Mega Motion for information on proper disposal of packaging, metal frame components, plastic components, electronics, batteries, neoprene, silicone, and polyurethane materials.

IX. WARRANTY

90-DAY LIMITED WARRANTY

For 90 days from the date of purchase, Mega Motion will repair or replace at our option to the original purchaser, free of charge, any of the following parts found upon examination by an authorized representative of Mega Motion to be defective in material and/or workmanship:

Structural frame components, including:

- | | | |
|---------------------|----------------------------------|-------------|
| ■ Main Frame | ■ Fork | ■ Seat Post |
| ■ Tiller Frame | ■ Bearings | ■ Bushings |
| ■ Rubber Components | ■ Plastic components except body | |

Also, electronic assemblies including:

- | | | |
|------------------------------------|------------|-------------|
| ■ Electronic Controllers | ■ Chargers | ■ Harnesses |
| ■ Any other electrical subassembly | | |

SIX-MONTH WARRANTY

The battery is covered by a separate six-month warranty, provided by the battery manufacturer. The batteries are not warranted by Mega Motion.

WARRANTY EXCLUSIONS

This warranty does not extend to those items which may require replacement due to normal wear and tear.

- | | | |
|-----------------------|-----------------|--------------------------|
| ■ ABS Plastic shrouds | ■ Motor brushes | ■ Upholstery and seating |
| ■ Brake Pads | ■ Solid Tires | ■ Fuses/Bulbs |
- Circumstances beyond the control of Mega Motion
 - Labor, service calls, shipping, and other charges incurred for repair of the product, unless specifically authorized, IN ADVANCE, by Mega Motion
 - Repairs and/or modifications made to any part without specific consent from Mega Motion

Exclusions also include components with damage caused by:

- Contamination
- Abuse, misuse, accident, or negligence
- Battery fluid spillage or leakage
- Commercial use, or use other than normal
- Improper operation, maintenance, or storage
- Batteries not properly maintained by recommended charging and storage procedures.

SERVICE CHECKS AND WARRANTY SERVICE

Warranty service must be performed by Mega Motion. Do not return faulty parts to Mega Motion without prior written authorization. All transportation costs and shipping damage incurred while submitting parts for repair or replacement are the responsibility of the purchaser. Please contact 1-800-MEGA-508 for information on the current cost associated with a service visit.

There is no other express warranty.

IX. WARRANTY

IMPLIED WARRANTIES

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one (1) year from the date of original purchase and to the extent permitted by law. Any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion of limitation of incidental or consequential damages. So, the above limitation or exclusion may not apply to you.

APPENDIX I - SPECIFICATIONS

Model Number	MM111
Overall Length ³	38 in. (96.5 cm)
Overall Width ³	19 in. (48.3 cm)
Total Weight Without Battery Pack	67.5 lbs. (30.62 kg)
Heaviest Piece When Disassembled	Base: 51.5 lbs. (23.4 kg)
Turning Radius ³	32 in. (81.3 cm)
Speed (Maximum) ¹	Variable up to 4.25 mph (6.84 km/h)
Range Per Charge ^{1, 2}	Up to 10 miles (16 km) with 12 Ah batteries
Ground Clearance ³	1.5 in. (3.81 cm)
Weight Capacity	250 lbs. (113.4 kg)
Standard Seating	Type: Foldable vinyl covered molded foam Dimensions: 16.5 in. (41.9 cm) width 15 in. (38 cm) depth (usable) 12 in. (30.5 cm) height (usable) Material: Black Vinyl
Drive System	Rear-wheel drive, sealed mini transaxle, 24 volt DC motor
Dual Braking System	Regenerative and electromechanical
Tires	Type: solid; 2 x 7.5 in. (5 x 19 cm)
Battery Requirements ⁴	Type: Two (2) 12-volt, deep-cycle, (AGM or Gel-Cell type recommended) Size: 12 Ah
Battery Weight ⁵	8.5 lbs. (3.86 kg) each
Battery Charger	Off-board battery charger

- ¹ Varies with user weight, terrain type, battery amp-hour (Ah), battery charge, battery condition, and tire condition. This specification can be subject to a variance of (+ or -) 10%.
- ² Tested in accordance with ASNI/RESNA, WC Vol 2, Section 4 & ISO 7176-4 standards. Results derived from theoretical calculation based on battery specifications and drive system performance. Test conducted at maximum weight capacity.
- ³ Due to manufacturing tolerances and continual product improvement, this specification can be subject to a variance of (+ or -) 3 %.
- ⁴ AGM or Gel-Cell type required. See IV. "Batteries and Charging."
- ⁵ Battery weight may vary based on battery manufacturer.

NOTE: This product conforms to all applicable ANSI-RESNA testing requirements and ISO 7176 series EN12184 standards. All specifications subject to change without notice.

APPENDIX I - SPECIFICATIONS

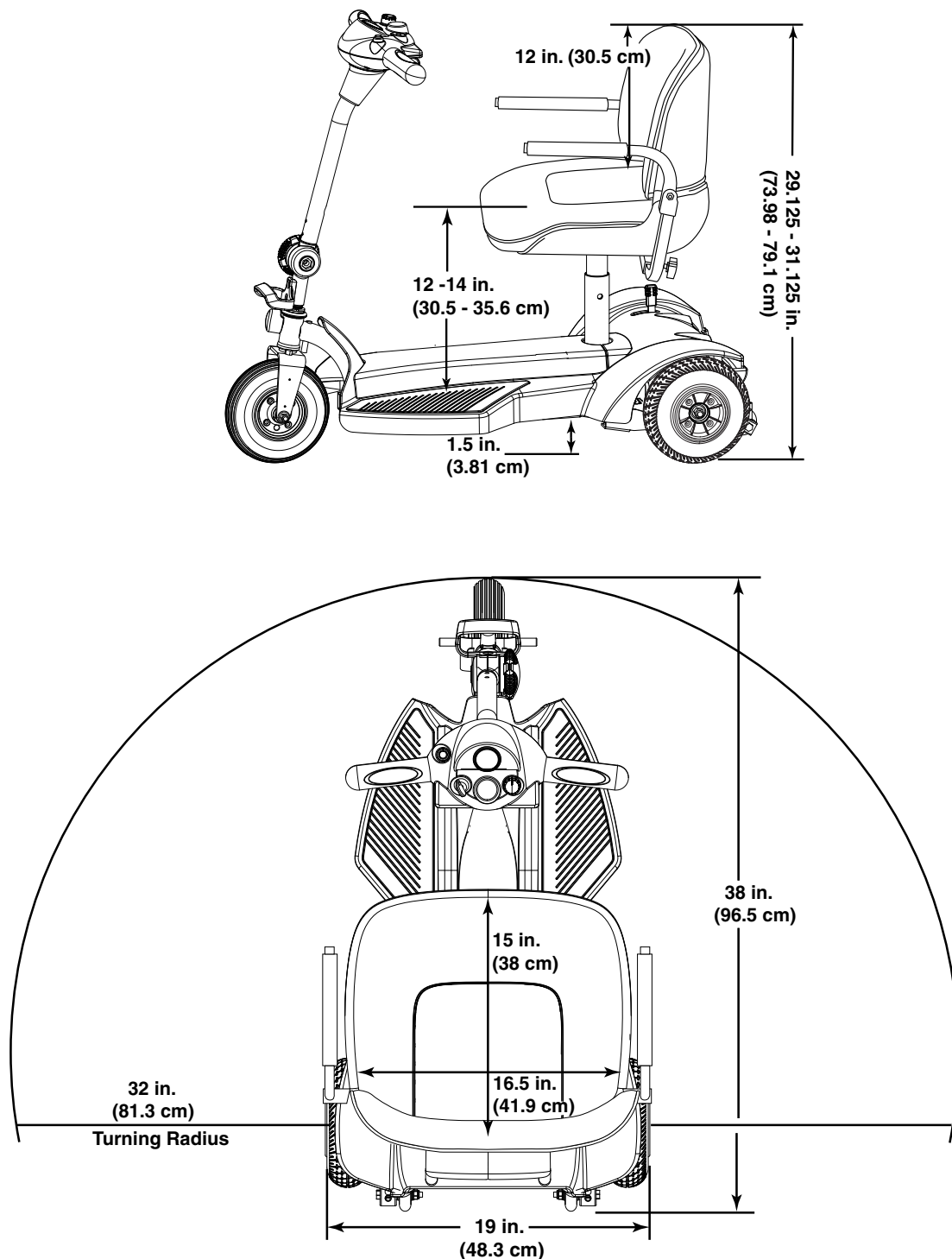


Figure 21. Travel Pal Dimensions

NOTES



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1-800-MEGA-508

* INFMANU3199 *